

Continuation of Substance of Interview including description of the general nature of what was discussed: I called the applicant asking him to explain how user input relates to session data. I explained the breadth that I read into user input. Based on my explanation of how the Abramson and related references teach correlating and updating session data, the representative suggested the attached amendments to further prosecution since I indicated the validation part of the claims seemed patentable.

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A session state method allowing session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state,

wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

obtaining user provided information via the web form segment;

updating the session information based on the current and corresponding session key with session states for each of the web form segments;

validating the user provided information in each web form segment using the associated session state or states;

retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

obtaining user corrections for any provided information that was not validated; and

posting the user provided information to an information server if the user provided information is validated.

2. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

3. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a cache.

4. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to a session server.

5. (Original) The method of claim 1, wherein the updated session information based on the current and corresponding session key is updated to an information server.

6. (Currently amended) A session state system allowing session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

means for recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state,

wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

means for obtaining user provided information via the web form segment;

means for updating the session information based on the current and corresponding session key with session states for each of the web form segments;

means for validating the user provided information in each web form segment using the associated session state or states;

means for retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

means for obtaining user corrections for any provided information that was not validated; and

means for posting the user provided information to an information server if the user provided information is validated.

7. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

8. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a cache.

9. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to a session server.

10. (Original) The system of claim 6, wherein the updated session information based on the current and corresponding session key is updated to an information server.

11. (Currently amended) A computer session state program stored on a computer readable medium, the session state program to allow session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

a module to recall session information based on a current and corresponding session key upon traversal of a web form segment having a session state, wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

a module to obtain user provided information via the web form segment;

a module to update the session information based on the current and corresponding session key with session states for each of the web form segments;

a module to validate the user provided information in each web form segment using the associated session state or states;

a module to retrieve a web form segment for user correction using the associated session state or states where the user provided information was not validated;

a module to obtain user corrections for any provided information that was not validated; and

a module to post the user provided information to an information server if the user provided information is validated.

12. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

13. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a cache.

14. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to a session server.

15. (Original) The medium of claim 11, wherein the updated session information based on the current and corresponding session key is updated to an information server.

16. (Currently amended) A session state apparatus to allow session states to be maintained by sites that run on multiple, load-balanced servers by providing persistent updated session data that is validated in multiple session states distributable across one or more machines over a communications network, comprising:

a processor;

a storage medium, communicatively connected to the processor; and

a program, stored in the storage medium, comprising:

a module to recall session information based on a current and corresponding session key upon traversal of a web form segment having a session state,

wherein session information is maintained for multiple web form segments and session states that are associated with the web form segments;

a module to obtain user provided information via the web form segment;

a module to update the session information based on the current and corresponding session key with session states for each of the web form segments;

a module to validate the user provided information in each web form segment using the associated session state or states;

a module to retrieve a web form segment for user correction using the associated session state or states where the user information was not validated;

a module to obtain user corrections for any provided information that was not validated;

a module to post the user provided information to an information server if the user provided information is validated.

17. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a cookie.

18. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a cache.

19. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to a session server.

20. (Original) The apparatus of claim 16, wherein the updated session information based on the current and corresponding session key is updated to an information server.

(Cancelled) Claims 21-60.

61. (Currently amended) A method for facilitating persistent updated data management sessions validated in multiple session states, comprising:

recalling session information based on a current and corresponding session key upon traversal of a web form segment having a session state, wherein the session information includes a series of session updated data;

updating the session information based on the current and corresponding session key with session states for each of the web form segments;

obtaining user provided information via the web form segment;

validating the user provided information in each web form segment using the associated session state or states;

retrieving a web form segment for user correction using the associated session state or states where the user provided information was not validated;

obtaining user corrections for any provided information that was not validated; and

posting the user provided information to an information server if the user provided information is validated.